- ➤ **Name of the Department** : Zoology
- ➤ **Name of Teacher In-charge** : Dr. K. M. Paturkar
- ➤ **Session of Implementation** : 2022-23
- ➤ **Name of the Class for which the** B.Sc. III/V
  Best Practice was conducted :
- ➤ **Number of students benefitted**
  :

1. **Title of the Practice** : **Artificial bird nests installation inside the college campus.**

2. **Objectives of the Practice** :

Birds are the important entity of the zoology, to preserve such a indicator of environmental health and to provide habitat for breeding is the main aim of this activity.

3. **The Context** :

Birds perform various ecosystem services like controlling pests in agriculture and forestry, pollination of plants seed dispersal and plant regeneration. Birds are the indicators of environmental health. Due to anthropogenic activities and factors like pollution, environmental degradation and rapid urbanization destroying bird's natural habitat. Therefore, conservation of such habitat will definitely help in bird conservation and also help to study bird diversity that visit the college campus.

4. **The Practice** :

Uniqueness of this activity is to develop interest in birdwatching and to study bird behavior, parental care in birds and pattern of bird nesting.

5. **Evidence of Success** :

Bird nesting started in the month of June in installed artificial bird nest.

6. **Problems Encountered and** Nil
Resources Required :

7. **Notes (Optional)** :

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-ordinator

Dr. Akhilesh V. Peshwe

Principal

➢ **Name of the Department** : **National Service Scheme (NSS)**
➢ **Name of Teacher In-charge** : **Dr. Pitambar Humane**
➢ **Session of Implementation** : **2022-23**
➢ **Name of the Class for which the** **NSS Volunteers**
   Best Practice was conducted :
➢ **Number of students benefitted** : **NSS Volunteers**

1. **Title of the Practice** : **Blood Donation**
2. **Objectives of the Practice** :

   • Organization of blood donation camp in memory of Late. Vinayakrao Phatak, on 8th August in every year as well as during the NSS Camp in villages.
   • To inculcate the importance and need of blood donation as a social responsibility
   • To take care the supply of blood to every needy person in the society in emergency. Organization of rallies to spread the awareness about the blood donation benefits and its future prospects.

3. **The Context** :

   • . Blood and blood components are not generated in the laboratory and hence it must be donated by the individual
   • Many misconceptions among the society which leads to collection of less amount of blood
   • Inability to fulfill the need of blood for different patients by existing blood banks

4. **The Practice** :

   • Organization of blood donation camp in memory of Late Vinayakrao Phatak in the institute, making this practice frequent repetition every year
   • The blood is collected by Hedgewar Blood Bank during the blood donation camp and certificates are given to every donor.
   • Many students after knowing the importance of blood donation, come forward to donate the blood, this helps them to understand the importance of blood donation and social responsibility.
   • Since last many years, this practice made 1000s units of blood were collected during the camp, that definitely helped the society to save the lives.

5. **Evidence of Success** :

   • The list of blood donors and geotag photographs are preserved with NSS Unit of the college.
   • Also, the list of blood donors from the blood donation camp is available with

Hedgewar Blood Bank

- The collected blood was used to save the many lives through Hedgewar Blood Bank.

6. **Problems Encountered and**
   Resources Required :

   - Though there is urgent need of blood to the society in every medical emergency, there is crunch of blood in blood banks, because of a smaller number of blood donors.
   - Misconceptions about the blood donation and its importance is one of the most important reasons responsible for availability of a smaller number of blood donors
   - Spreading awareness among masses is very much important to overcome this problem in future.

7. **Notes (Optional)** :

   - If this practice is undertaken by every institute through its NSS Unit, every year, then definitely the collection of blood will be drastically increased. Also, this will help to overcome the misconception among the society as well as to enhance to blood donors in near future.

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-ordinator

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe

Principal
Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

➢ **Name of the Department** : National Service Scheme

➢ **Name of Teacher In-charge** : Dr. Pitambar Humane

➢ **Session of Implementation** : 2022-23

➢ **Name of the Class for which the** Students and Staff
Best Practice was conducted :

➢ **Number of students benefitted** : Students and Staff

1. **Title of the Practice** :

   Covid-19 & Tetanus Diphtheria Vaccination

2. **Objectives of the Practice** :

   • Organization of vaccination drive for the student and teachers for Covid-19 and Tetanus Diphtheria

   • To create awareness about the vaccination to fight against Corona

   • To provide vaccines free of cost to the students and staff of the college.

3. **The Context** :

   • To fight against corona was very difficult without vaccines and people were under fear for Covid-19 vaccination. So, for mass counselling as well as awareness the drive was organized.

   • For Covid-19 it was necessary to book vaccines on various centres hence, the facility was made available for students and staff of the college.

   • For awareness and vaccination of Tetanus Diphtheria

4. **The Practice** :

   • Due to corona, this vaccination drive was organized in the college

5. **Evidence of Success** :

   • The list of vaccinated students and staff and geotag photographs are preserved with NSS Unit of the college.

   • Many of the staff and students took advantage of this activity

6. **Problems Encountered and Resources Required:**

- The people were feeling awkward to get vaccinated due to misinterpretation on different social media.
- There was very poor response to the vaccination conducted at different centers in the city.
- To fight against the corona the NMC staff was taken to conduct the vaccination drive for corona as well as Tetanus Diphtheria.

7. **Notes (Optional)** :

- The vaccinations of the people was very much important to fight against corona pandemic and even other diseases to generate mass immunity. The counseling and awareness was also important about the pandemic. The experts from NMC health department were asked to provide on campus vaccination to the staff and students of the college. Hence, the activity was conducted in association with NMC, Nagpur

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-Ordinator

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe

Principal
Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

➢	Name of the Department	:	Electronics Department
➢	Name of Teacher In-charge	:	Prof. Mrs. Varsha Rangari
➢	Session of Implementation	:	2022-23
➢	Name of the Class for which the Best Practice was conducted	:	Interested College Students
➢	Number of students benefitted	:	School Students

1. **Title of the Practice** : *"Cyber Security Awareness"*

2. **Objectives of the Practice** :
   - To make the youth alert while working online.
   - To prevent falling prey to cyber criminals
   - To stop youth from getting indulged in cyber-crimes or similar activities.
   - To select volunteers and train them to give presentations in schools.
   - To provide them a stipend and intern certificate on successful completion of tasks.

3. **The Context** :

This activity started in the year 2017 in collaboration with Quick Heal Foundation, Pune. The mission of this activity is to keep the kids safe online. As kids grow up in this digital age, keeping up the latest trends and technology is part of everyday life. Parents, on the other hand, are oftentimes less savvy than their kids when it comes to cyber behaviour. And due to lack of cyber awareness many crimes are happening online and is bound to increase drastically in near future. Having sensed the potential online danger, MoU was signed with Quick Heal Foundation.

4. **The Practice** :

In the beginning of every academic year, MoU with Quick Heal Foundation, Pune was done. Interested college students were selected. They were trained by Quick Heal Foundation trainers. These students go to different colleges, take permission from the principal of that college and schedule their presentation. Before and after feedback from school students was taken after the presentation. Also remarks from the principal were taken. At the end of this activity stipend and intern certificate is given to volunteers.

5. **Evidence of Success** :

| Year	Total No. of Volunteers	No. of School targeted	Total No. of Students Beneficiaries	Total Amount earn by the Volunteers
2022-23	6	6	4931	4900/-

School students learn many things like how to be secure when online. From this activity student volunteers not only earn money or certificates but also enhance their personality and confidence level.

6. **Problems Encountered and Resources**
   Required   :

In the first year, no school principals were allowing the student Volunteers for presentation. Then they were trained how to convince them. After that they were getting permission from the school which boosted up their confidence level. This is reflected in the number of schools and number of students targeted.

7. **Notes (Optional)**   :
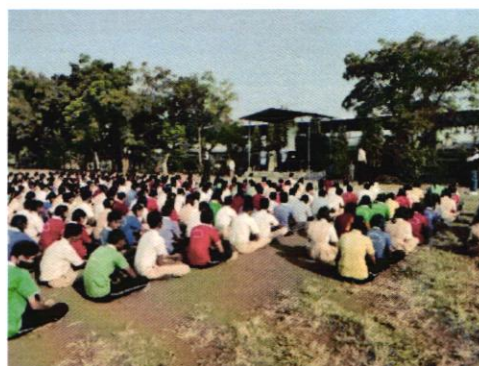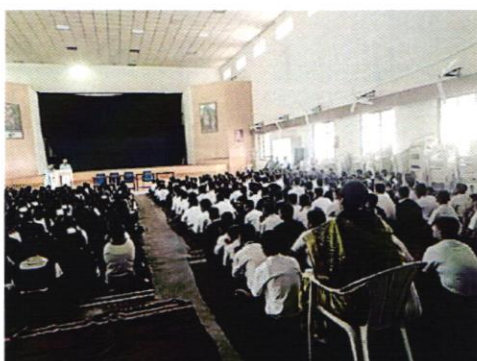
Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane
IQAC Co-ordinator
CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe
Principal
Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

> ➤ **Name of the Department** : **Department of Computer Science**
> ➤ **Name of Teacher In-charge** : **Mrs. Ruma Rahul Kapre**
> ➤ **Session of Implementation** : **2022-23**
> ➤ **Name of the Class for which the** **B.Sc. Computer Science Students**
> **Best Practice was conducted** :
> ➤ **Number of students benefitted** **All Computer Science Students**
> :

1. **Title of the Practice** :
   Development of Online Portal for the submission of Assignments and Conducting Online Test Examinations

2. **Objectives of the Practice** :
   - A portal is made for both Teacher and Student.
   - A huge syllabus-based question bank can be generated for online tests and assignments.
   - Working of Department will be paper less for evaluation of students.
   - Separate Log in for Teacher for maintaining student's data.
   - Students will receive all notification for uploading assignments and online test through the portal.
   - Test score generated immediately after submission of online test.
   - A detail Students Report generated at the end of the academic session.

3. **The Context** :
   To overcome the COVID-19 pandemic situation, there was need of Online portal to conduct online test examination as well as for submission of assignments. The students of computer science department were guided to develop such online portal so that test and submission of assignments can be undertaken in online mode.

4. **The Practice** :
   The portal contains a separate login for Teacher and Student. Students have access to submit their assignment and also appear for Online Test. The portal has facility of auto submitting the test immediately if student move on another tab. Teachers can create Assignment, Test, Question Bank and Student Report. PAPERLESS Data Maintenance is possible due to this portal.

5. **Evidence of Success** :
   Online Portal URL: - www.dsccsedproject001.in

6. **Problems Encountered and**
   Resources Required :

   For login process of the students on the portal, login credentials were provided to every student. For this task separate command need to give for each student also there was

need to update credential of each student when that student moves from one semester to next semester. It was tedious and time consuming job. There were no data accessing year wise possible in the application, to make data accessing possible year wise, also to make some updation in taking online examination, in display of portal we decided to shift front end and back end to another software language which will give different look to the portal, solve all the problems which are there and help in accessing the data more properly and accurately.

7. **Notes (Optional)** :

This online portal has been developed by the students of B.Sc. III of Computer Science Department in connection for maintenance of departmental record with reference to Student Centric Activities such as Assignment Submission, Online Exams, Online Quiz & various other classroom activities.

In the backdrop of covid-19 pandemic, as emphasis is on online & paperless working this will prove to be a boon to the department for maintenance of academic records as this portal is developed by the students as per department need.

We introduce one more student from the current batch who is working with the previous team who are now alumni of the Institute.

Names of Students Involved:
1. Abhijit Muley
2. Abhishek Muley
3. Kanishk Patil
4. Prathmesh Aacharya

Name & Signature of In-Charge of the Practice
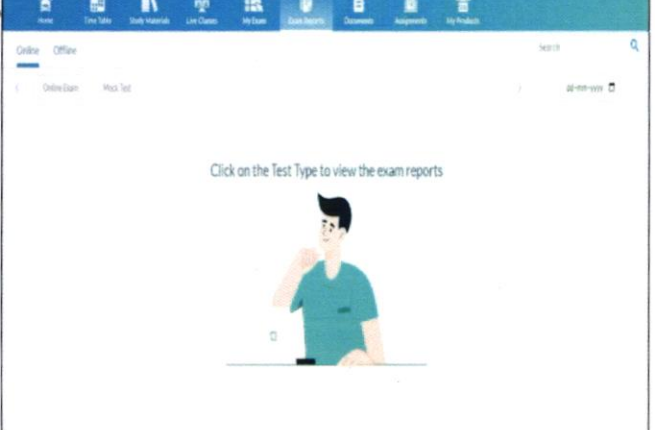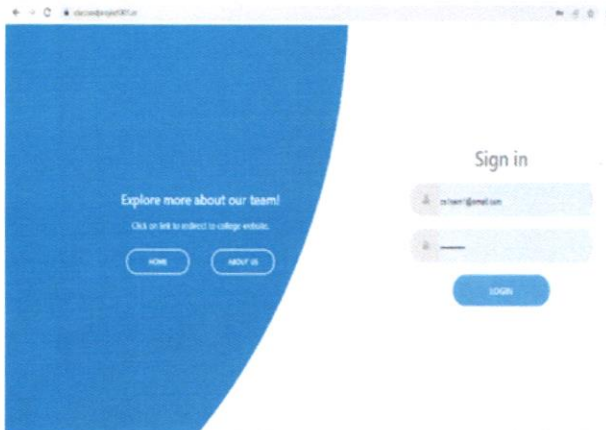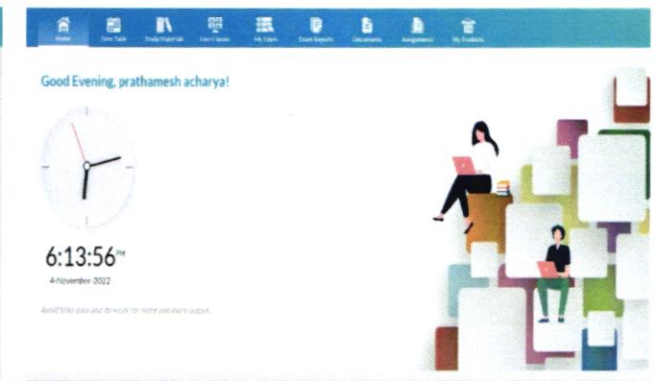
Prof. Pitambar Humane
IQAC Co-ordinator
CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe
Principal
Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane
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COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe
Principal
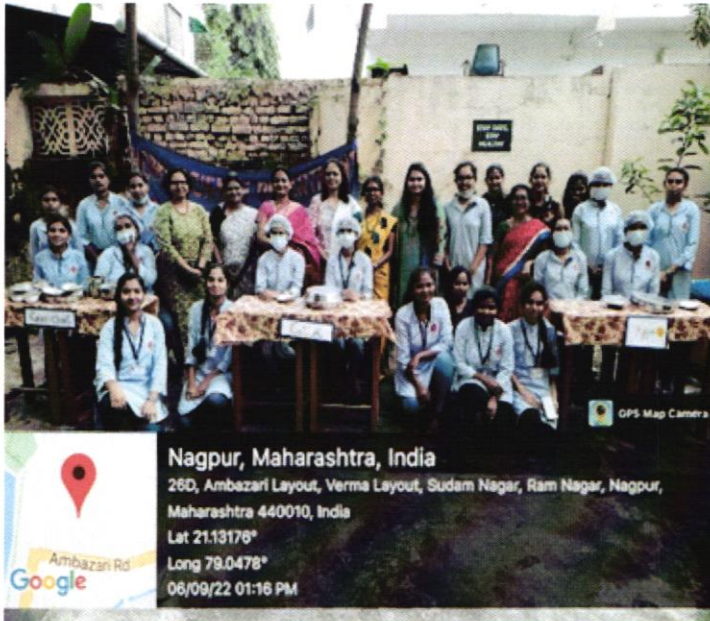Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

- ➤ **Name of the Department** : Home Science
- ➤ **Name of Teacher In-charge** : Ms. Ankita Wankhede
- ➤ **Session of Implementation** : 2022-23
- ➤ **Name of the Class for which the Best Practice was conducted :** Students of Semester-V
- ➤ **Number of students benefitted** : 40

1. Title of the Practice : Event Management

2. Objectives of the Practice :

- Event Management of Running of College Canteen & as a part of activity under Celebration of National Nutrition Month.
- To make students learn strategies planning, management of resources, implementation of plan, and decision making. Also using the modern mode of marketing strategies like on line payments
- Students learnt the Concept of time, money & management of resources human & non-human resources while planning any event.
- Situational demands & managerial difficulties that arise on time, facing & tackling them. Giving such experience helps to learn skills other than Academics.
- Earn While Learn Concept

3. The Context :

The students actively participated in the activity. 18 students of Semester 5th involved in the preparing food items (cutlet, sweet corn, Appa) Event management includes many aspects. As mentioned in Syllabus, students are guided for the same.

4. The Practice :

Students learn &conceptualize the basics of management of resources, importance of it even in day to day living. To understand managerial skills & importance in handling actual situations.

Work simplification & management of energy as a resource by proper principles for above concepts to be learnt they prepared dishes, made the set up for event, ,Planned for money collection &mode of it . They work on guided Principles of Management.

5. Evidence of Success :

Though the Students did not earn the profit by selling the recipe & dishes made with proper selection they could work on understanding the need of proper planning &

management in everyday living by actually running the Canteen. This Participative learning exercise for students had profound

6.   Problems Encountered and

Resources Required   :

Corpus fund was given to the student for event management. They calculated in terms of money. They earned the money back on a no profit & No loss. As the vegetables were costly much of profit was lessened. They could have earned profit by planning recipe & ingredients & quantity planning. Student have written report & presented as submissions by critically evaluating the Event.

7.   Notes (Optional)   :   Nil

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-ordinator

CO ORDINATOR
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SCIENCE COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe

Principal

Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

- ➤ **Name of the Department** : Zoology
- ➤ **Name of Teacher In-charge** : Dr. K. M. Paturkar
- ➤ **Session of Implementation** : 2022-23
- ➤ **Name of the Class for which the** B.Sc. III/V
  Best Practice was conducted :
- ➤ **Number of students benefitted**
  :

1. **Title of the Practice** : **Fresh water fish culturing**

2. **Objectives of the Practice** :
   - Impart knowledge about fundamentals of inland fisheries practices
   - To study effect of water parameters on fishes and fish breeding
   - Train students for the development of inland fisheries.
   - Impart knowledge for developing proficiency and management practices in food fishes

3. **The Context** :
   As fishes show economic and social importance, fisheries are governed by complex fisheries management practices. Recent threats by human overfishing and environmental issues have required increased regulation of fisheries to prevent conflict and increase fish breeding. As Fishery is the integral part of Zoology students must experience behaviour, fish breeding and their development and changes in water parameters in which they live, is the main aim of this activity.

4. **The Practice** :
   Breeding of local edible fishes like Rohu Catla and Mrugal inside the campus is the uniqueness of this activity.

5. **Evidence of Success** :
   Students get knowledge about fresh water fisheries, fish breeding and their development. Breeding fishes takes place successfully.

6. **Problems Encountered and Resources** Nil
   Required :

7. **Notes (Optional)** :

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-ordinator

Dr. Akhilesh V. Peshwe

Principal

➤	**Name of the Department**	:	**Computer Science**
➤	**Name of Teacher In-charge**	:	**Mrs. Snehal Narale**
➤	**Session of Implementation**	:	**2022-23**
➤	**Name of the Class for which the Best Practice was conducted :**		**B. Sc. I, II and III**
➤	**Number of students benefitted**	:	**138 (Sem-I &Sem-II); 88 (Sem-III) and 50 (Sem-V)**

1.   Title of the Practice   :   IIT Spoken Tutorial Certificate Course

2.   Objectives of the Practice   :

In the world of digitization, the implementation of ICT in higher education is the need and demand of this era. The Spoken Tutorial project take an initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India. The main objective of this certificate course program was to trained more number of students from mathematics, life science and home science faculty with different courses.

3.   The Context   :

At the preliminary level, college introduces the courses for the students of computer science. At the initial level students were not aware about the courses offered by IIT Spoken and training program conducted by the College. Due to unawareness they were not register themselves for the FOSS courses like c and cpp, libreoffice suite [base] etc. To make convince the students for their active participation in the training and certification of IIT spoken is the biggest challenge while designing and framing of these courses at the initial level. Apart from the regular syllabus, providing some value addition courses to the students is also huge task as students are busy in their regular academics and extra circular activities. As the interest of the students they were admitted for courses of IIT spoken some of the courses are mapped and some of them are unmapped.

4.   The Practice   :

Spoken Tutorials train in simple steps moving from simple to complex levels and give practical training of the theoretical concepts. As a result students fast track their knowledge and cope better with the course.

The language used is simple and the tutorials ensure that ample instructions and practice is provided to guarantee self-learning. The method is distance learning and it is unique as students learn by their own selves (SELF Learning) and individually.

To get more detail knowledge about the FOSS training will be provided to the students in the lab Hours. The college runs certificate course of IIT spoken tutorial in which trainer faculty train the students using various methods like power point, audio and video tools for the specific course for which he/she registered. Though computer based, the learning and practice is completely offline once the courses are downloaded into the systems faculty trainer provides the study material to the students and then students listen using earphones, pause, rewind, fast forward as per their progress.

This is unique method of teaching in which students learn the different courses from their syllabus as well as advance level also through an interactive manner using simulation which understands hands on the practical application of the theoretical concepts. Self Training can improves students IT/programming/simulation skills as well improves their employment potential.

The faculty takes feedback from the students every year on the courses run by the college. The college was introduced the courses from basic to advance level like Introduction to Computers,C and CPP, Arduino, Inkscape, RDBMS,Latex and Libreoffice Suite [Base] , PHP and MySQL as per the need of the market .

Training faculty give some additional exercises to the students based on their certificate courses which helps them to get more detail knowledge about the subject. The faculty trained the students in offline mode, but in COVID-19 pandemic situation due to online mode of teaching, learning and flexibility of timing a sudden spurt in the no. of students getting benefited from this course. Many students get benefited with more than one certificate course which will help them to enhance and increase their concept clarity of the subject. College was introduced level wise courses to the students starting from introduction to Computers. As per the special demand of the students more advance courses was introduce in the year 2022-23 for second and final year students like Drupal, Blender,HTML and Biopython

5.   **Evidence of Success**   :

- The list of students appeared and passed for the online examination of IIT spoken Tutorial Certificate course keep in the department of computer science.
- Some of the students get benefited from the certificate which they received after clearing the exam. Company people note this certificate at the time of selection for their company interview during the job process.
- Students of computer science get enhance their subject knowledge with these courses.

6.   **Problems Encountered and Resources**
      Required   :

- At first time it was quite difficult for the faculty to make convince to the students about their enrollment for the various courses of the IIT spoken courses offer by the college. Students were unaware about the unmapped courses offered by IIT.
- Student's personal counseling helps the faculty to make them comfortable in the

courses in which they were enrolled.

- It was very difficult for the faculties to handle the problems of the students during their online examination process as they were not familiar with the platform.

- Due to less no of computers, some of the students had faced the difficulty during their training program. Hence strengthen computer separate lab with internet connection required for the successful execution of these courses at our college center.

- Life science and Home Science students were not more familiar with the technology and advancement in the field of computer science. To create awareness amongst these students the college has taken an initiative to started basic introduction to computers course the students to make them more comfortable.

7. **Notes (Optional)** :

Conduction of this activity every year motivates the students to participate in more number for various courses of IIT Spoken offer by College as for those who had not participated or enrolled for the courses before. The Certificates which they got help them to place in good IT Company.

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane
IQAC Co-ordinator

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe
Principal

Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

- ➢ **Name of the Department** : Home Science
- ➢ **Name of Teacher In-charge** : IQAC, Dharampeth MPDM Science College & Bharat Vikas Parishad, Nagpur
- ➢ **Session of Implementation** : 2022-23
- ➢ **Name of the Class for which the** All staff and students
  Best Practice was conducted :
- ➢ **Number of students benefitted** : NA

1. **Title of the Practice** :
   Project Melghat: A social Responsibility

2. **Objectives of the Practice** :
   To Inculcate Social Responsibility amongst Teachers & Young Students this activity was initiated.
   A Project where in entire Staff & students Participated.

3. **The Context** :
   All the Stake holders to be a part of this activity to support, help & be of service to mankind.

4. **The Practice** :
   Practice allows the People to contribute to the growth & happiness of the Underprivileged People of Melghat. By doing so we strive to touch the India's rural areas that lack even basic necessities such as food & clothing. So, by joining hands with Bharat Vikas Parishad, we try to bring cheers and happiness in the lives of such Tribal Adivasis of Melghat

5. **Evidence of Success** :
   Adv..Shri Luley, Incharge, south west zone along office bearers had come for the collection of the materials of which the list was supplied

6. **Problems Encountered and**
   Resources Required :
   Kitchen waste was made in use. Students collected the dry waste from nearby vicinity. Sand was bought by few Students.

7. **Notes (Optional)** :
   Seen in Photograph are the Entire esteemed members as Staff of College with office bearers of Bhart Vikas Parishad.IQAC Coordinator Prof Dr Humne Sir giving the donated

clothes & material.

धरमपेठ शिक्षण संस्था संचालित
धरमपेठ म. पां. देव स्मृती विज्ञान महाविद्यालय
आणि
भारत विकास परिषद
दक्षिण-पश्चिम नागपूर शाखा
संयुक्त विद्यमाने
मेळघाट प्रकल्प
Melghat Project

दिनांक:

Shot on OnePlus
By Prashant Ambekar

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-ordinator

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Dr. Akhilesh V. Peshwe

Principal

Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.

- ➢ **Name of the Department** : **English**
- ➢ **Name of Teacher In-charge** : **Dr. Mrs. Shraddha Deshpande**
- ➢ **Session of Implementation** : **2022-23**
- ➢ **Name of the Class for which the** **B.Sc. I**
  Best Practice was conducted :
- ➢ **Number of students benefitted** : **23**

1. **Title of the Practice** : Scrap Book Making: Five Stars of India

2. **Objectives of the Practice** :

   To motivate students to gain knowledge about the innovative projects carried by Indian Scientist and innovators a scrap book making activity was conducted. Experimenting with new concepts, ideas and business models often leads to new insights and students should be inspired to read and know about such people who strive for nation building.

3. **The Context** :

   The innovation and incubation cell of the college motivates students to instill research aptitude of the science students in developing new ideas and concepts based on the syllabus. One of the texts prescribed 'Grassroots innovation and Social Enterprise: Changing Lives' discussing the astonishing innovations of the Indian Scientists.

4. **The Practice** :

   Students were asked to prepare a Scrap book of five innovators or start-up from categories such as: youth, women, rural, university, and veterans. Students enthusiastically participated in making scrap books and submitted in the department. The activity inspired them to read and analyze and identify the challenges and opportunities of innovators and incubators in gaining success for their enterprise.

5. **Evidence of Success** :

   Scrap Books are stored in the department.

6. **Problems Encountered and**
   Resources Required :

   The data collected by the students was a little repetitive as they must have googled and thus the information was common in some of the scrap books.   Students must use

college library to gather information which could prove diverse and more that can be shared with other students.

7.   **Notes (Optional)**   :

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane
IQAC Co-ordinator

Dr. Akhilesh V. Peshwe
Principal

➢	Name of the Department	:	English
➢	Name of Teacher In-charge	:	Dr. Mrs. Shraddha Deshpande
➢	Session of Implementation	:	2022-23
➢	Name of the Class for which the Best Practice was conducted :		B.Sc. I
➢	Number of students benefitted	:	23
1.	Title of the Practice	:	Spoken English Skills Development Program

2.   Objectives of the Practice   :

Language being the integral part of speaking skills it is important that the words one uses must suit the occasion and the audience. The programme was aimed at developing English language speaking skills through the use of shorter and simpler sentences. It was designed for the holistic communication development within per groups and later communication with strangers.

3.   The Context   :

Rotaract Club members need to interact with people they work with. Many a times they get opportunities to interact with entrepreneurs, academicians, professionals from various fields.   Students get opportunity to interact with outsiders when are working under Rotaract club. Thus, to develop their English language communicative competency, an extensive programme was designed based on app named as 'English Conversation'.   The programme is named 'Ignite' and is designed in stages.

4.   The Practice   :

The activity is at the initial stage and has completed the first module of programme. It involved the four stages of learning: Listen, quiz, practice and record. The audios of the students were studied and corrections were suggested in pronunciation and accent. Module 2: Conversation in pair and Module 3: Conversation with a stranger will be executed in the coming months.

5.   Evidence of Success   :

Audios are stored in the department.   Link of the App:

https://play.google.com/store/apps/details?id=com.talkenglish.conversation

6.   Problems Encountered and
Resources Required   :

Students were interested in the participating, however the schedule of the module got a little delayed due to some unavoidable reasons. First module was initiated in the month of November but due to their university exams, the next modules will be executed in

mid-January.

7.   **Notes (Optional)**   :

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane
IQAC Co-ordinator

Dr. Akhilesh V. Peshwe
Principal

> **Name of the Department**   :   **Botany**
> **Name of Teacher In-charge**   :   **Mr. Amol Pimpalshende**
> **Session of Implementation**   :   **2022-23**
> **Name of the Class for which the**   **B.Sc. Sem-I**
> **Best Practice was conducted :**
> **Number of students benefitted**   :   **B.Sc. Sem-I Class**

1.   **Title of the Practice**   :   The Study of diversity of Mycoflora of college premises

2.   **Objectives of the Practice**   :

- To study the diversity of mycoflora around us and to know the local mycoflora this activity is practiced in nearby college campus.

- To make the students aware about the research activities in fungi and microbiology

- To make the students aware about different fungal diseases found around us.

3.   **The Context**   :

- Lack of special attention towards the mycoflora is lacking at least in UG level students.

- Lack of knowledge about the different fungal plant diseases and its symptoms

- Lack of information about the host-parasite relationship of such microorganisms

4.   **The Practice**   :

- Simple survey was conducted in college premises specially to know the presence of fungal organisms as well as fungal diseases.

- Also, the fungal organisms pointed out and informed to the students in other practical in college garden as well as premises.

- In near future complete Ambazari lake premises will be studied to know the mycoflora of the area.

5.   **Evidence of Success**   :

- Geotag photographs are preserved with the department

- The students involved in the activity are studying on campus

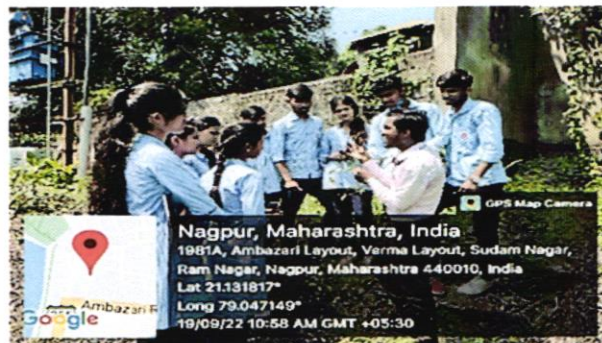- DVV are also taken during execution of the activity.

6. **Problems Encountered and Resources Required:**
   - To study the fungi is difficult task and most of the body parts are microscopic. Most of the fungi are pathogenic hence it is important to study such organisms to know the root cause of the fungal plant diseases.
   - Collection of the material, sectioning and observation under microscope is easy way on preliminary side.
   - In advanced studies need to culture and grow the fungi for further identification and to study other characters.

7. **Notes (Optional)** :
   - The students are found interested to know the life cycle of fungal flora of the campus. Also, many Agaricus and Polyporus species growing on soil and old woods were observed in natural habitat. The fungal diseases identification was noted down by the students. The complete diversity of Mycoflora of Ambazari Lake Premises will be made available in near future through this activity.

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-Ordinator

Dr. Akhilesh V. Peshwe

Principal

> **Name of the Department** : **Botany**
> **Name of Teacher In-charge** : **Dr. Pitambar Humane**
> **Session of Implementation** : **2022-23**
> **Name of the Class for which the** **B.Sc. Sem-III**
> **Best Practice was conducted :**
> **Number of students benefitted** : **B.Sc. Sem-III Class**

1. **Title of the Practice** : **The Study of floristic biodiversity**

2. **Objectives of the Practice** :

- To study the angiosperms around us and to know the local flora this activity is practiced in nearby college campus as well as in the village premises where NSS Camps are organized.

- To make the students aware about the research activities in angiosperm taxonomy.

- To prepare the students for conservation of environment for sustainable development

- To make the student familiar with composition of the local flora and its importance in environment.

3. **The Context** :

- As a student and teacher of Botany, field-based study was found difficult to the students, but is practical based and very much important for the subject students. Motivation of the students for field study as well as teaching them botanical names, plant identification is a challenging job.

- Also, use of flora in field is not possible hence, its use in identification were taught in laboratory. This practice is utmost necessary for the Botany students and hence all the

problems were overcome for implementation of this activity.

4. **The Practice** :

- Such student centric projects like field visits to explore Angiosperm flora of different places is uncommon in UG classes, hence students entering in PG after involvement in such activities, are more knowledgeable and well-versed about the basic things in the subject.

- Also, the research attitude is developed among the students with participation in such activities.

5. **Evidence of Success** :

- Data regarding the flora studied in students' centric projects were collected and stored in the department. Many photographs were also taken during the survey, which help the upcoming students to guide them in identification and actual pictures of the plants.

- This data will be useful in compilation of this work in the form of field guide for the students in near future. Such type of practices definitely assists the students in enhancing their interest in the subject as well as to inculcate research attitude among them.

6. **Problems Encountered and Resources**
   Required:

- Management of time in academic time table for field visit is an important thing in implementation of this activity.

- Identification of interested students for field study is necessary during this activity. Accordingly, the method was followed and students were taken for fiend visits in nearby area of the institution as well as during NSS Camp.

7. **Notes (Optional)** :

- Students are taken into the field in college campus, nearby college i.e., Ambazari lake premises and even the place where NSS Camps are organized. The HOD of Botany provides the scientific names of the plants to the students found common the areas.

- The information about the ethnobotanical uses is given while studying in the field. The listing of the plants is made along with their scientific information and ethnobotanical data.

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane

IQAC Co-Ordinator

Dr. Akhilesh V. Peshwe

Principal

- ➤ **Name of the Department** : **National Service Scheme (NSS)**
- ➤ **Name of Teacher In-charge** : **Dr. Pitambar Humane**
- ➤ **Session of Implementation** : **2022-23**
- ➤ **Name of the Class for which the** **NSS Volunteer**
  Best Practice was conducted :
- ➤ **Number of students benefitted** : **NSS Volunteer**

1. **Title of the Practice** : **Tree Plantation**
2. **Objectives of the Practice** :
   - To increase green cover by plantation in college campus as well as in the places of NSS Camps.
   - To increase the awareness and importance of tree plantation.
   - To spread the msg of save trees, save environment and save earth.

3. **The Context** :
   - Tree plantation is a need of hour to save the environment so that it can help to avoid global warming.
   - Plants are the producers of universe and even shelter houses of many birds and other organisms.
   - Tree plantation help to increase rainfall and reduce soil erosion.

4. **The Practice** :
   - Tree plantation is conducted every year on 3rd August, on occasion of foundation day of Dharampeth Education Society, a parent society of the institute.
   - On the day of activity, the society members, secretory, presidents, etc. remain present for inauguration of the activity.
   - The NSS volunteers and teaching and non-teaching staff members of the college participate in the activity of plantation.

5. **Evidence of Success** :
   - The geotag photographs are preserved with NSS Unit of the college.
   - Many trees planted during tree plantation program are there on the campus.
   - Trees are also planted in the villages and schools where the NSS Camp was organized.

6. **Problems Encountered and Resources Required:**

- The conservation of environment is only possible due to tree plantation and tree plantation is not practiced everywhere without reason though there is urgent need.
- The reduced number of tress day by day as well as decrease in forest cover there is need to involve every citizen to practice tree plantation program.
- NSS Volunteers are involved in planting tree species on college campus as well as in villages where NSS Camp organized

7. **Notes (Optional)** :

- Tree plantation is most important activity to conserve environment and mother earth to save the lives of all animals. The sustainable development is only possible by tree plantation for future generation. In the program many trees are planted on college campus as well as in villages. The activity contributes in increase in the tree cover of mother earth. This will help to provide oxygen, food and shelter for birds and other animals, shade to human beings, etc.

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane
IQAC Co-Ordinator

Dr. Akhilesh V. Peshwe
Principal

➢	**Name of the Department**	:	Physics
➢	**Name of Teacher In-charge**	:	Lt. Dr. Prashant Ambekar & Dr. Seema Ubale
➢	**Session of Implementation**	:	2022-23
➢	**Name of the Class for which the Best Practice was conducted :**		B.Sc. I, II, III
➢	**Number of students benefitted**	:	Interested Students

1. Title of the Practice : **Workshop on Plastic Recycle and Reuse**

2. Objectives of the Practice :

- To sensitize the students and their family members about the plastic reuse and recycle
- To make students aware about the environmental issues originated by use once type plastics
- To inculcate the design aspect using logic and expertise for beautification of the things.
- To plant inhouse/ outdoor trees/ plants for generating oxygen.

3. The Context :

The Department of Physics has organised the workshop titled 'plastic recycling and reuse' is conducted on regular basis to inculcate and develop skills such as 'best out of waste' and to tackle and contribute the environmental issues arising from single use plastic materials such as cans, bottles, and other utensils.

4. The Practice :

In this workshop, the students and faculty members are asked to bring the plastic waste (garbage) available in their houses. With a minimal effort and materials, they are guided to develop planters or some other decorative or useful items, such as planters, pen holders, decorative items etc. This will have a double advantage namely reusing the plastic and planting plants which gives oxygen, reducing the carbon footprint.

5. Evidence of Success :

5. Students have brought their house hold plastic for making their own designs particularly planters and other thing in general. They have applied their minds, brainstormed with colleagues and designed respective planters or things.

6. They collected the waste and made something best from it.

7. They have planted the indoor/ outdoor plants and after successful planting shared selfies with the planters.

As the planters were painted as per their wishes, they enjoyed sharing the details with other friends, hence the idea was shared with the mass.

6. **Problems Encountered and**
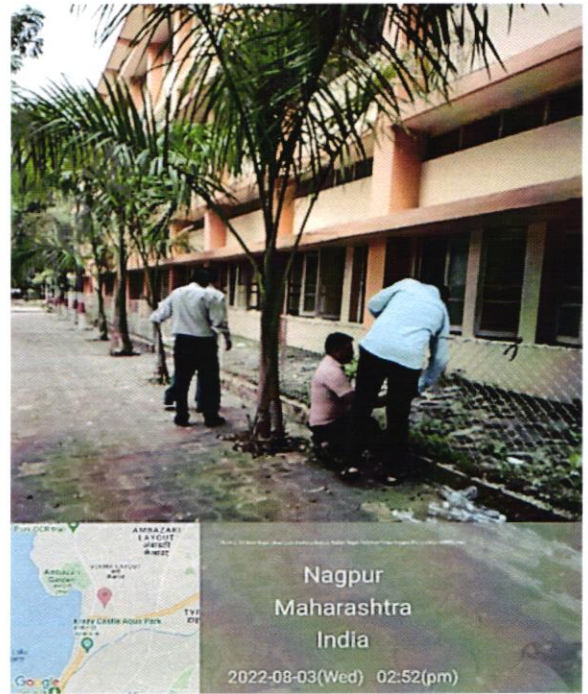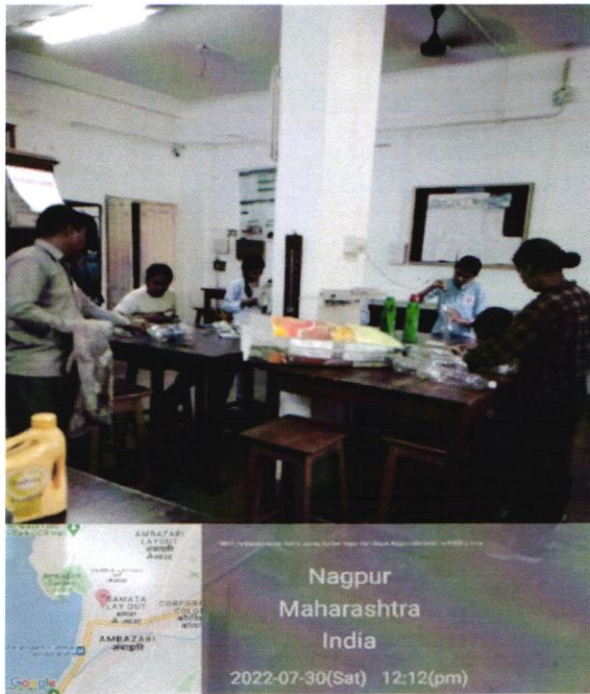   **Resources Required**

    :

    The oil cans handling was a bit difficult as due to residue of the oil remains it was slippery while working with knife and scissors.

7. **Notes (Optional)**   :

    This kind of practice/ activity should be shared and implemented with mass

Name & Signature of In-Charge of the Practice

Prof. Pitambar Humane
IQAC Co-ordinator

Dr. Akhilesh V. Peshwe
Principal